


Animals, human tissue, and mouse cells

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 An abbreviated version of this protocol was published in Science Signaling in Dec 2020

A β oligomers induce pathophysiological mGluR5 signaling in Alzheimer's disease model mice in a sex-selective manner

DOI: [10.1126/scisignal.abd2494](https://doi.org/10.1126/scisignal.abd2494)

Detailed protocol

Thanks for your inquiry- I am quoting the perpetration procedure from the manufacturer's product sheet as indicated in the paper

- 1- Dissolve the lyophilized peptide in HPLC grade (or better) water at 6mg/ml
- 2- Dilute the peptide to 1mg/ml with PBS (it is important that calcium is omitted)
- 3- Incubate at 37 C for 24-48 h (24-36 h is usually sufficient)

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Abd-Elrahman, K. (2021). Animals, human tissue, and mouse cells. Bio-protocol Preprint. bio-protocol.org/prep789.
2. Abd-Elrahman, K. S., Albaker, A., Souza, J. M. D., Ribeiro, F. M., Schlossmacher, M. G., Tiberi, M., Hamilton, A. and Ferguson, S. S. G.(2020). A β oligomers induce pathophysiological mGluR5 signaling in Alzheimer's disease model mice in a sex-selective manner . Science Signaling 13(662). DOI: [10.1126/scisignal.abd2494](https://doi.org/10.1126/scisignal.abd2494)

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